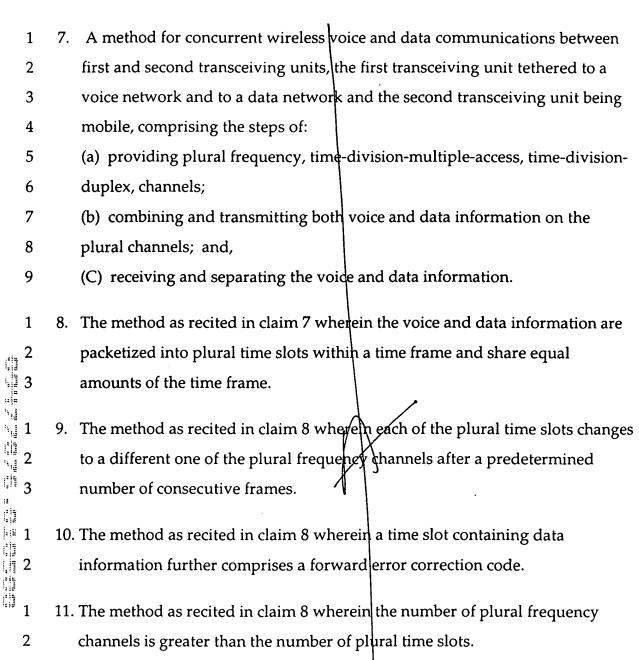
WHAT IS CLAIMED IS:

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network.

1	1. A system for concurrent wireless voice and data communications comprising
2	(a) a first transceiving unit tethered to a voice network and to a data
3	network:
4	(b) a second, mobile transceiving unit;
5	(c) the first transceiving unit combines and transmits to the second,
6	mobile transceiving unit, voice and data information from the voice and the data
7	network respectively, and receives and separates voice and data information
8	from the second, mobile transceiving unit and routes to the voice network and
9	the data network, respectively; and,
0	(d) the second, mobile transceiving unit combines and transmits to the
1	first transceiving unit, voice and data information and receives and separates
2	voice and data information from the first transceiving unit.
1	2. The system as recited in claim 1 wherein the data network is a V.90 modem
2	coupled to a public switched telephone network.
1	3. The system as recited in claim 1 wherein the data network is an ISDN
2 .	modem coupled to a public switched telephone network.
1	4. The system as recited in claim 1 wherein the data network is a DSL modem
2	coupled to a public switched telephone network.
1	5. The system as recited in claim 1 wherein the data network is a cable modem
2	coupled to a CATV system.
1	6. The system as recited in claim 1 wherein the data network is an Ethernet



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- 12. The method as recited in claim 8 wherein the number of plural frequency 1 2 channels is less than the number of plural|time slots.
- 1 13. The method as recited in claim 8 wherein the number of plural frequency 2 channels is equal to the number of plural time slots.
- 1 14. The method as recited in claim 7 wherein step (a) adheres to the Digital 2 Enhanced Cordless Telecommunications standard.



- 1 15. The method as recited in claim 7 wherein step (a) complies with Digital
- 2 Enhanced Cordless Telecommunications standards.
- 1 16. The method as recited in class 7 wherein the plural frequency channels
- 2 operate between 2.4 GHz and 2.5 GHz.

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- 1 17. A unitary transceiving unit comprising:
 2 (a) a transceiver employing multiple frequency, time-division-multiple3 access, time-division-duplex, channels that supports concurrent wireless
 4 voice and data communications; and,
 5 (b) a baseband processor including a CODEC and at least one sub-processor
 6 to process audio, generate tones, provide echo canceling and to program slot
 7 and frame timing for the transceiver.
- 1 18. A unitary transceiving unit as recited in claim 16 wherein voice and data 2 information are packetized into plural time slots within a time frame and 3 share equal amounts of the time frame.
 - 19. A unitary transceiving unit as recited in claim 16 wherein each of the plural time slots has a different one of the multiple frequency channels.
 - 20. A unitary transceiving unit as recited in claim 16 wherein each of the plural time slots changes to a different one of the multiple frequency channels after a predetermined number of consecutive frames.
 - 21. A unitary transceiving unit as recited in claim 16 wherein a time slot containing data information further comprises a forward error correction code.

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